

ABSTRACT

A nickel-base alloy comprising, by mass, at least 29% but less than 42% chromium, more than 1 and not more than 3% tantalum, 0.001 to 0.05% magnesium, 0.001 to 0.04% nitrogen and 0.05 to 0.5% manganese, with the balance being nickel and inadvertent impurities. A nickel-base alloy comprising, by mass, more than 43% and not more than 50% chromium, 0.1 to 2% molybdenum, 0.001 to 0.05% magnesium, 0.001 to 0.04% nitrogen, and 0.05 to 0.5% manganese, with the balance being nickel and inadvertent impurities. The amount of carbon included as inadvertent impurities is not more than 0.05%.